S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
277	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6.16.1) 5-32 Amps SP							
	3rd Bill							
		10				10		
						10	**1000**	**10000**
	Tender Quoted Rates	**1000**					Each	
	PART D:-SUBMAINS CIRCUIT MAINS/POWER WIRING							
278	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 1.1.1) 19/20mm dia 2mm thick							
	3rd Bill							
			135.00			135.00		
						135.00	**370.00**	**49950.00**
	Tender Quoted Rates	**370.00**					Mtr	
279	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.1.1.2) 25mm dia 2mm thick							
	3rd Bill							
			75.00			75.00		
						75.00	**75.00**	**5625.00**
	Tender Quoted Rates	**75.00**					Mtr	
280	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.1.1.3) 32mm dia 2.5mm thick							
	ITEM NOT OPERATED							
281	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 1.2.1) 19/20mm dia 2mm thick							
	ITEM NOT OPERATED							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
282	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary1.2.2) 25mm dia 2mm thick							
	3rd Bill							
			415.00			415.00		
						415.00	**75.00**	**31125.00**
	Tender Quoted Rates	**75.00**					Mtr	
283	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary1.2.3) 32mm dia 2.5mm thick							
	ITEM NOT OPERATED							
284	**Groove cutting:-** Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 1.3.1) 19/20mm dia 2mm thick							
	3rd Bill							
			10.00			10.00		
						10.00	**100.00**	**1000.00**
	Tender Quoted Rates	**100.00**					Mtr	
285	Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.1.3.2) 25mm dia 2mm thick							
	3rd Bill							
			75.00			75.00		
						75.00	**100.00**	**7500.00**
	Tender Quoted Rates	**100.00**					Mtr	
286	Concealed Conduit System Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever 1.3.3) 32mm dia 2.5mm thick							
	ITEM NOT OPERATED							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
287	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A 2.1.1) Short point upto 3Mtr from tapping point to out let via switch							
	3rd Bill							
		13				13		
						13	**300.00**	**3900.00**
	Tender Quoted Rates	**300.00**					Point	
288	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A2.1.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch							
	3rd Bill							
		24				24		
						24	**450.00**	**10800.00**
	Tender Quoted Rates	**450.00**					Point	
289	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A2.1.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch							
	3rd Bill							
		100				100		
						100	**500.00**	**50000.00**
	Tender Quoted Rates	**500.00**					Point	
290	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A2.1.4) Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches							
	ITEM NOT OPERATED							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
291	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A2.1.5) Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches							
	ITEM NOT OPERATED							
292	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5.2) 1.5 sqmm.							
			515.00			515.00		
						515.00	**30.00**	**15450.00**
	Tender Quoted Rates	**30.00**					Mtr	
293	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5.3) 2.5 sqmm							
	3rd Bill							
			250.00			250.00		
						250.00	**35.00**	**8750.00**
	Tender Quoted Rates	**35.00**					Mtr	
294	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5.4) 4 sqmm							
	3rd Bill							
			315.00			315.00		
						315.00	**50.00**	**15750.00**
	Tender Quoted Rates	**50.00**					Mtr	
295	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete. 3.4.1) 1-3Way							
	3rd Bill							
		2				2		
						2	**125.00**	**250.00**
	Tender Quoted Rates	**125.00**					Each	
296	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.3.4.2) 4-5Way							
	ITEM NOT OPERATED							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
297	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.3.4.3) 6Way							
	3rd Bill							
		1				1		
						1	**200.00**	**200.00**
	Tender Quoted Rates	**200.00**					Each	
298	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.3.4.5) 10-12Way							
	3rd Bill							
		8				8		
						8	**250.00**	**2000.00**
	Tender Quoted Rates	**250.00**					Each	
299	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 3.6.1) 1 to 3 Module							
	3rd Bill							
		2				2		
						2	**200.00**	**400.00**
	Tender Quoted Rates	**200.00**					Each	
300	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3.6.2) 4 Module							
	ITEM NOT OPERATED							
301	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3.6.3) 6 Module							
	3rd Bill							
		1				1		
						1	**300.00**	**300.00**
	Tender Quoted Rates	**300.00**					Each	
302	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3.6.4) 8 Module							
	3rd Bill							
		1				1		
						1	**350.00**	**350.00**
	Tender Quoted Rates	**350.00**					Each	
303	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3.6.5) 10 Module							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
	ITEM NOT OPERATED							
304	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3.6.6) 12 Module							
	3rd Bill							
		6				6		
						6	400.00	2400.00
	Tender Quoted Rates	400.00					Each	
305	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A3.7.3) 6Amps 3way socket.							
	3rd Bill							
		5				5		
						5	400.00	2000.00
	Tender Quoted Rates	400.00					Each	
306	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 3.7.6) 1000-1200Watts Dimmer							
	3rd Bill							
		14				14		
						14	450.00	6300.00
	Tender Quoted Rates	450.00					Each	
307	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 3.7.7) 16Amps one way switch							
	3rd Bill							
		5				5		
						5	500.00	2500.00
	Tender Quoted Rates	500.00					Each	
308	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 3.7.9) 32Amps DP switch							
	ITEM NOT OPERATED							
309	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 3.7.11) TV/Telephone socket							
	ITEM NOT OPERATED							
310	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 3.7.10) 6/16Amps universal socket							
	3rd Bill							
		3				3		
						3	600.00	1800.00
	Tender Quoted Rates	600.00					Each	
	PART E:-Light Fixtures and Fan							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
311	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic 4.7.2) 2x4'-28Watts							
	ITEM NOT OPERATED							
312	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic4.7.1)1x4'-28Watts							
	3rd Bill							
		39				39		
						39	**500.00**	**19500.00**
	Tender Quoted Rates	**500.00**					Each	
313	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.2) Using necessary length of G.I. chain							
	ITEM NOT OPERATED							
314	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders							
	3rd Bill							
		39				39		
						39	**200.00**	**7800.00**
	Tender Quoted Rates	**200.00**					Each	
315	Supply of LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition. 4.34.1)LED Post Top Lantern with 12 watts							
	ITEM NOT OPERATED							
316	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.							
	ITEM NOT OPERATED							
317	Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply							
	3rd Bill							
		4				4		
						4	**2500.00**	**10000.00**

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
	Tender Quoted Rates	**2500.00**					Each	
318	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm) 9.3.2.1) Regular model							
	3rd Bill							
		9				9		
						9	**2500.00**	**22500.00**
	Tender Quoted Rates	**2500.00**					Each	
319	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.							
	3rd Bill							
		9				9		
						9	**150.00**	**1350.00**
	Tender Quoted Rates	**150.00**					Each	
320	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 9.2.1)12" Sweep (300mm)							
	3rd Bill							
		14				14		
						14	**12000.00**	**168000.00**
	Tender Quoted Rates	**12000.00**					Each	
321	Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or brackets, with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame.							
	3rd Bill							
		14				14		
						14	**1000.00**	**14000.00**
	Tender Quoted Rates	**1000.00**					Each	
	PART-F :- CABLE AND CABLE END TERMINATION							
	HT CABLES							
322	HT Cable GROUP A: Supplying and laying of high tension 11KV cable, Dry Curing & Dry Cooling with true triple extrusion, simultaneously through a single common head, 3 core under ground XLPE (E) cable having stranded compact circular aluminium conductor, screened insulated, insulation screened with extruded semiconducting compound in combination with copper tape, core laid up extruded inner sheathed of GI flat strip armoured and overall PVC sheathed with specified IS 7098/11/85 with latest amendments & confirming to the GTP of GROUP-A 8.3.1) 3Cx95 sqmm							
	3rd Bill							
			59.00			59.00		
						59.00	**1000.00**	**59000.00**
	Tender Quoted Rates	**1000.00**					Mtr	

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
323	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.2) In soil (hard)							
	3rd Bill							
			40.00			40.00		
						40.00	**100.00**	**4000.00**
	Tender Quoted Rates	**100.00**					Mtr	
	LT CABLES							
324	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 7.4.2) 4 core 10 sqmm							
	3rd Bill							
			90.00			90.00		
						90.00	**200.00**	**18000.00**
	Tender Quoted Rates	**200.00**					Mtr	
325	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.7.4.12) 3.5 core 185 sqmm							
	ITEM NOT OPERATED							
326	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.7.4.10) 3.5 core 120 sqmm							
	ITEM NOT OPERATED							
327	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.7.4.8) 3.5 core 70 sqmm							
	3rd Bill							
			35.00			35.00		
						35.00	**750.00**	**26250.00**
	Tender Quoted Rates	**750.00**					Mtr	

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
328	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.7.4.5) 3.5 core 25 sqmm							
	3rd Bill							
			23.00			23.00		
						23.00	**500.00**	**11500.00**
	Tender Quoted Rates	**500.00**					Mtr	
329	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.6) 6 sqmm to 16 sqmm							
	3rd Bill							
			90.00			90.00		
						90.00	**50.00**	**4500.00**
	Tender Quoted Rates	**50.00**					Mtr	
330	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.7) 25 sqmm to 75 sqmm							
	3rd Bill							
			58.00			58.00		
						58.00	**50.00**	**2900.00**
	Tender Quoted Rates	**50.00**					Mtr	
331	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.8) 95 sqmm to 150Sqmm							
	3rd Bill							
			58.00			58.00		
						58.00	**50.00**	**2900.00**
	Tender Quoted Rates	**50.00**					Mtr	
332	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.9) 185sqmm to 240Sqmm							
	3rd Bill							
			53.00			53.00		
						53.00	**50.00**	**2650.00**
	Tender Quoted Rates	**50.00**					Mtr	
	HT CABLE ENDTERMINATION							
333	Supplying and making 11KV (E) Extruded "X" linked for tubing & moulded & cross-linked components using Heat Shrink Stress Control tube having High Permittivity XLPE Terminations- OUTDOOR JOINTING KIT & confirming to the GTP. OUTDOOR 8.2.1) 3Cx95/120sqmm							
	3rd Bill							
		1				1		
						1	**10000.00**	**10000.00**
	Tender Quoted Rates	**10000.00**					Kit	

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
334	Supplying and making 11KV (E) Extruded "X" linked for tubing & moulded & cross-linked components using Heat Shrink Stress Control tube having High Permittivity XLPE Terminations- INDOOR JOINTING KIT & confirming to the GTP. INDOOR 8.2.5) 3Cx95/120sqmm							
	3rd Bill							
		5				5		
						5	**5000.00**	**25000.00**
	Tender Quoted Rates	**5000.00**					Kit	
	LT CABLE END TERMINATION							
335	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) 7.14.2) 25mm dia							
	3rd Bill							
		2				2		
						2	**2000.00**	**4000.00**
	Tender Quoted Rates	**2000.00**					Each	
336	upplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)7.14.3) 32mm dia							
	3rd Bill							
		2				2		
						2	**5000.00**	**10000.00**
	Tender Quoted Rates	**5000.00**					Each	
337	upplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)7.14.5) 50mm dia							
	3rd Bill							
		2				2		
						2	**200.00**	**400.00**
	Tender Quoted Rates	**200.00**					Each	
338	upplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)7.14.7) 75mm dia							
	ITEM NOT OPERATED							
339	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 7.21.6) 16 sqmm							
	3rd Bill							
		40				40		
						40	**100.00**	**4000.00**
	Tender Quoted Rates	**100.00**					Each	
340	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 7.21.7) 25 sqmm Long Barrel							
	3rd Bill							
		8				8		
						8	**100.00**	**800.00**
	Tender Quoted Rates	**100.00**					Each	
341	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.7.21.10) 70 sqmm Long Barrel							
	3rd Bill							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
		10				10		
						10	**100.00**	**1000.00**
	Tender Quoted Rates	**100.00**					Each	
342	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.7.21.12) 120 sqmm Long Barrel							
	ITEM NOT OPERATED							
343	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.7.21.14) 185 sqmm Long Barrel							
	ITEM NOT OPERATED							
	CABLE TRAY							
344	Supplying and fixing 2mm thick perforated cable tray with powder coated paint on existing MS angle support using necessary GI bolts/nuts and washer or welding as required. 7.19.1) 150x50mm							
	ITEM NOT OPERATED							
345	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.2) In soil (hard)							
	3rd Bill							
			20.00			20.00		
						20.00	**100.00**	**2000.00**
	Tender Quoted Rates	**100.00**					Mtr	
346	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.5 C.C. cutting							
	ITEM NOT OPERATED							
	PART-F Total							
	G. MISCELLANEOUS ITEMS							
347	Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 7.12.2) 50mm							
	3rd Bill							
			15.00			15.00		
						15.00	**750.00**	**11250.00**
	Tender Quoted Rates	**750.00**					Mtr	
348	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 6.39.1) 40x40x6mm							
	3rd Bill							
			10.00			10.00		
						10.00	**600.00**	**6000.00**
	Tender Quoted Rates	**600.00**					Mtr	

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
349	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables.7.20.10) 160mm OD / 135mm ID							
	ITEM NOT OPERATED							
350	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 1.2.1) 19/20mm dia 2mm thick							
	ITEM NOT OPERATED							
351	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 1.2.2) 25mm dia 2mm thick							
	ITEM NOT OPERATED							
352	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 1.2.3) 32mm dia 2.5mm thick							
	ITEM NOT OPERATED							
353	Supplying and installation of ABC..... Kgs capacity Fire Extinguishers for multipurpose (Solid, Liquid, Gas, Electrical) a) 5 Kgs							
	3rd Bill							
		1				1		
						1	1000.00	1000.00
	Tender Quoted Rates	1000.00					Each	
354	Supplying and installation of Dry Chemical powder.....Kg capacity Fire Extinguishers for multipurpose (DG, Electrical Panel) b) 5 Kgs							
	3rd Bill							
		1				1		
						1	2000.00	2000.00
	Tender Quoted Rates	2000.00					Each	
355	Supplying and installation of Mechanical Foam-9ltrs capacity Fire Extinguishers for multipurpose (DG, Electrical Panel)							
	3rd Bill							
		1				1		

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
						1	2600.00	2600.00
	Tender Quoted Rates	2600.00					Each	
356	Supplying and installing of CO2……Kgs capacity Fire Extinguishers for multipurpose (Servers, Panels, Computers, etc.,) c) 4-5 Kgs							
	3rd Bill							
		1				1		
						1	5000.00	5000.00
	Tender Quoted Rates	5000.00					Each	
357	Supplying of Four Bucket stand along with Buckets							
	3rd Bill							
		2				2		
						2	2500.00	5000.00
	Tender Quoted Rates	2500.00					Each	
358	Supplying of Hand Gloves							
	3rd Bill							
		6				6		
						6	2500.00	15000.00
	Tender Quoted Rates	2500.00					Pair	
359	Supplying and installation of RUBBER MAT 1mt x 2mt-100mm thick							
	3rd Bill							
		4				4		
						4	2000.00	8000.00
	Tender Quoted Rates	2000.00					Each	
360	D.G.Set and its accessories Supplying, erection, testing and commissioning of .....KVA Diesel Generating Set on existing CC platform Comprising of Diesel Engine Developing ..... BHP @ 1500 RPM confirming to BS 5514.The engine should be turbocharged, Air/water cooled with 10 % over load for 1hour in every 12 hours of operation coupled to suitable capacity alternator rated at 415V, 0.8 PF(lag) 50 Hz, 3 phase, 4 wire system, confirming to BS 5000/IS 4722. The alternator shall be of brushless type ,Screen protected, revolving field, Mounted on suitable Channel Iron Base Frame, Complete with suitable capacity Fuel Tank, required nos. of Batteries of 12/24V as per requirement, Acoustic enclosure as per CPCB Approved Norms. 13.1.1 62.5kva/50kw							
	ITEM NOT OPERATED							

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
361	Supply, Erection, testing and commissioning of AMF panel suitable for .....KVA DG set. The panel is of cubical type base/floor mounting control panel with hinged doors, undrilled bottom gland plate, aluminum Bus Bar with the accommodation for .....amps 4 pole contactor for alternator with thermal O/L relay,..... Amps 4 pole contactor for mains, HRC fuse for short circuit protection, Microprocessor based AMF module with supply failure timer, Restoration timer, 3 impulse automatic engine start/stop logic, Mains/generator voltage, ...capacity bypass switch and frequency sensing, PCC 1301 controller with water temperature/Lube oil pressure/ engine speed, Voltage/ampere/Frequency/ KVA, Running-hour count, No of starts, Fault indication, over /under speed, Fails to start, Low oil pleasure, High engine temperature, Under/over voltage, over current, Earth fault relay, with indications for Mains on, Load on Mains, Battery charger on Push buttons AMf module by pass Mode, Battery charger unit with inbuilt Auto/Manual and Flat/Boost facility. 13.2.2) 62.5 KVA-125kva							
	3rd Bill							
		1				1		
						1	**200000.00**	**200000.00**
	Tender Quoted Rates	**200000.00**					Each	
362	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 7.4.10) 3.5 core 120 sqmm							
	3rd Bill							
			15.00			15.00		
						15.00	**850.00**	**12750.00**
	Tender Quoted Rates	**850.00**					Mtr	
363	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 7.8.8) 95 sqmm to 150Sqmm							
	3rd Bill							
			15			15		
						15	**100.00**	**1500.00**
	Tender Quoted Rates	**100.00**					Each	
364	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB 1-2, P-7)							
	3rd Bill							
			10			10		
						10	**100.00**	**1000.00**
	Tender Quoted Rates	**100.00**					Each	
365	Supply and installation of Acoustic insulation using 50mm thick with 24Kg Density glass wool with 24G aluminum perforated sheet complete.							
	3rd Bill							
			10			10		

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
						10	1000.00	10000.00
	Tender Quoted Rates	1000.00					Each	
366	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.65mm							
	ITEM NOT OPERATED							
367	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 50mm							
	ITEM NOT OPERATED							
368	B. EARTHING SYSTEM Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel							
	3rd Bill							
		6				6		
						6	8000.00	48000.00
	Tender Quoted Rates	8000.00					Each	
369	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required. 25x3mm Copper strip							
	3rd Bill							
			10.00			10.00		
						10.00	350.00	3500.00
	Tender Quoted Rates	350.00					Mtr	
370	Supplying and running of Copper strips for grounding connections, using necessary fixing materials as required.25x6mm Copper strip							
	3rd Bill							
		12				12		
						12	1250.00	15000.00
	Tender Quoted Rates	1250.00					Each	
371	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required. 25x3mm GI strip							
	ITEM NOT OPERATED							
372	Supplying and running of GI strips for grounding connections, using necessary fixing materials as required.40x6mm GI strip							
	ITEM NOT OPERATED							
373	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire							
	3rd Bill							
		35				35		
						35	70.00	2450.00
	Tender Quoted Rates	70.00					Each	
	EXTRA ITEMS					SubTotal		1983450.00

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
1	Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring and shuttering, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12, I.No.27.11, P.No.210							
	1st Bill							
	Main Pool-for site clearance	1	90.00	30.00	0.30	810.00		
	Pool Area	1	54.00	28.00	1.40	2116.80		
	Filteration & Balancing tank	1	23.00	8.00	1.40	257.60		
						3184.40	**604.90**	**1926243.56**
							Cum	
	Basic Rate:	545.00						
	Area Weightage @ 6%	32.70						
	Sub Total	577.70						
	Add 4.90 % Above as TP	28.31						
	Total	**604.90**						
2	Providing ,Supplying of Casuarina poles and applying with Bitumen coating upto a depth of 1.5m. For Stabilising of foundation.The Casuarina poles of 1.5m depth @ 0.5m center to center is placed and Hammered firmly in the soil as shown in the drawing .This includes cost of Casuarina poles,labour charges,Transporting charges(loading and unloading),complete as per specification and Engineer in charge of site.(Considering the area for 3mx3m =9sqm.) (APPROVED RATES)							
	1st Bill							
	Main Pool Area	1	28.00	53.00		1484.00		
	Filteration & Balancing tank	1	23.00	8.00		184.00		
						1668.00	**635.00**	**1059180.00**
							Sqm	
3	Extra for use of water proofing compound in Cement concrete of mix 1:1:2,at one kg of compound per bag of cement. Specification No. KBS I.No.4.24, P.No.14							
	1st Bill							
	Raft Concrete	1	52.10	27.10	0.55	776.55		
	Side Wall	2	50.00	0.25	1.60	40.00		
	Down Steam Wall	1	25.50	0.25	2.30	14.66		
	Up Steam Wall	1	25.50	0.25	1.50	9.56		
	Balancing Tank & Filtration Room							
	Raft Concrete	1	22.00	8.00	0.55	96.80		
	Balancing Tank & Filtration Room - Side walls							
	Long wall	2	21.00	0.30	3.00	37.80		

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
	Side wall	3	7.00	0.30	3.00	18.90		
				Sub total		**994.28**	**283.54**	**281916.88**
							Cum	
	Basic Rate:	255.00						
	Area Weightage @ 6%	15.30						
	Total	270.30						
	Add 4.90 % Above as TP	13.24						
	Total	**283.54**						
4	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 I.No.19.60, P.NO.147							
	1st Bill							
	Pool allround area	1	100.00	50.00	2.75	13750.00		
	Deduct							
	Main Pool Area	1	-50.50	25.60	2.00	-2585.60		
	Filteration & Balancing tank	1	-22.00	8.00	2.00	-352.00		
						10812.40	**320.24**	**3462562.98**
	Basic Rate:	288.00					**Cum**	
	Area Weightage @ 6%	17.28						
	Total	305.28						
	Add 4.90 % Above as TP	14.96						
	Total	**320.24**						
5	Driving cast-in-place vertical R.C.C. 600mm dia. piles with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS91 03-1 999 Reaffirmed-2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH I Chapter 12							
	2nd Bill							
	Building Side	64	16.00			1024.00		
						1024.00	**11814.14**	**12097679.36**
							Sqm	
	Basic Rate:	10624.80						
	Area Weightage @ 6%	637.49						
	Total	11262.29						
	Add 4.90 % Above as TP	551.85						
	Total	**11814.14**						

S.No	DESCRIPTION OF WORK	N	L	B	D	QTY	RATE/ UNIT	AMOUNT
6	Driving cast-in-place vertical R.C.C. 500mm dia. piles with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS91 03-1 999 Reaffirmed-2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH I Chapter 12							
	2nd Bill							
	Building Side	24	16.00			384.00		
						384.00	**9845.11**	**3780522.24**
							Sqm	
	Basic Rate:	8854.00						
	Area Weightage @ 6%	531.24						
	Total	9385.24						
	Add 4.90 % Above as TP	459.88						
	Total	**9845.11**						
						SubTotal		**22608105.01**
						GRAND TOTAL		**58499645.58**

CERTIFICATE:

1 The work spot has been inspected and found to be necessary
2 This estimate is prepared as per KPWD SR. of 2015-16 & ~~Approved~~ Tender Quoted Rates
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.
5 The work is not Spilt Up.

Assistant Engineer
Project Sub Division,
BBMP, Bengaluru

Assistant Executive Engineer 04/10/2017
Project Sub Division,
BBMP, Bengaluru

Executive Engineer 4/10/17
Project Division,
BBMP, Bengaluru

"Modified"
Technical Sanction "
Accorded For ...585.00 lakh Rs.
Head of A/C ...P1732
CER NO :..."02" Dt:..06.10.17

As proposed

[TA] CE (YNK)